2015 PUPIL YIELD STUDY



HARFORD COUNTY GOVERNMENT DEPARTMENT OF PLANNING AND ZONING AND HARFORD COUNTY PUBLIC SCHOOLS

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"MARYLAND'S NEW CENTER OF OPPORTUNITY"

PURPOSE

Pupil yield is a term which describes the number of pupils generated per dwelling. This study sampled 52 subdivisions throughout the County and includes a variety of housing unit types and ages. The yield factors calculated in this report are used for a variety of planning analyses to assist in identifying the impact of residential development on the Harford County Public School (HCPS) system. This study is an update of the pupil yield study completed in 2009.

BACKGROUND

Population Projections

Harford County's population has increased by 31,400 residents, from 218,590 to 250,025 residents between 2000 and 2015. This represents a 14.4 percent increase and an average annual growth rate of 0.96 percent. Harford's population increased by 5,200 persons between 2010 and 2015. This translates into an average annual growth rate of 0.42 percent. Harford's population is projected to grow by about 23,095 persons to 273,120 between 2015 and 2030, a 9.2 percent increase for an average annual growth rate of 0.62 percent.

Designated Growth Area

Since 1977, the guiding policy for land use decisions has been the focus of new growth within the Development Envelope. Approximately 75% of the County's population will be located within the Development Envelope by the year 2030. The projected population of the Development Envelope in 2030 is 204,720 an increase of about 12.2 percent, or 22,330 persons from the 2010 figure of 182,390. This anticipated growth projected within the Development Envelope will continue to have an impact on the HCPS system enrollments, though to a lesser extent than in previous years.

Student Enrollments

With the eighth largest school enrollment in Maryland, Harford County has seen its total student enrollment decrease by 774 students during the 2009 to 2015 period. Harford's enrollment decreased by two percent from 38,044 to 37,270 during this six-year period. The total countywide utilization rate for elementary schools is currently 90 percent and is projected to be 86% for the 2022/2023 school year. The total elementary school enrollments are projected to decrease by 941 students by the 2022/2023 school year. Though the total elementary enrollments are projected to decline it is important to note that four elementary schools are projected to exceed 100% capacity by the 2022/2023 school year. These schools are located within the Development Envelope and will likely be impacted by continued residential growth in the County's designated growth area.

The total countywide secondary school enrollments are projected to increase by 266 students for the 2022/2023 school year. Although an increase is projected at the secondary level, it is important to note that no secondary schools are projected to exceed 100% capacity for the 2022/2023 school year. The countywide utilization rate for middle and high schools are projected to be 82% and 83% respectively for the 2022/2023 school year.

Pupil Yield Factors

Pupil yield factors are determined by researching the number of students from a particular community/subdivision that attend public school. By dividing the number of students accounted for by the number of dwelling units, a pupil generation factor is determined. Some of the factors that influence pupil yield rates include, but are not limited to, the following factors: the demographic composition of an area, the age and type of the housing stock, new housing growth, in-migration, and various market factors. It is important to note that different pupil yield factors vary significantly depending on housing type (single family, townhouse, apartment, condominium, etc.) and school level (elementary, middle, and high).

One significant indicator of demographic change is in-migration. In-migration refers to the number of persons moving into a jurisdiction less the number of persons moving outside of a jurisdiction. Harford County experienced a net in-migration of about 1,570 persons per year between 2000 and 2008 based on Internal Revenue Service data obtained through the Maryland Department of Planning. According to the American Community Survey between 2009 and 2013 there was an average net **out-migration** of 343 persons per year. This net loss is in large part responsible for the smaller increase in the population over the past 5 to 10 years. This change in the net in-migration pattern has had a significant influence on the demographic make-up of the County, in both existing and newer subdivisions. The ever-changing characteristics and complex nature of this in-migration make it challenging to identify demographic characteristics including pupil yield data.

It is important to obtain accurate and timely data relative to the number of school-age children that subdivisions will yield, and to update pupil yield data on a regular basis to assess the impact of the above-mentioned factors on pupil yield rates.

METHODOLOGY

To obtain a representative cross section of the County's population, 52 subdivisions were surveyed. The subdivisions were selected from various geographic locations throughout Harford County, to include single family dwellings, townhouse units, apartment units, condominium units, and mobile home units. The subdivisions selected represent a mix of newer and established subdivisions and range in size from 18 units to 1,871 units. Additionally, subdivisions were selected to provide a broad range of attendance areas across the County.

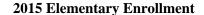
The Harford County Department of Planning and Zoning collected the subdivision data and a count of 16,651 dwelling units was made to determine the actual number of units by dwelling type (see Appendix 1). Worksheets were developed to include the names of the subdivisions, the total number and types of units, street names and addresses, and the school attendance areas in which the subdivisions are located. These data were provided by the Harford County Public Schools Office of Technology from the student enrollment database. A count was made of each student who resides in the selected subdivisions studied, and from these data pupil yields were calculated. One significant change that was made from the previous methodology was breaking out apartment and condominium unit yields. This change was made in order to gain more detailed pupil yield data for multi-family units.

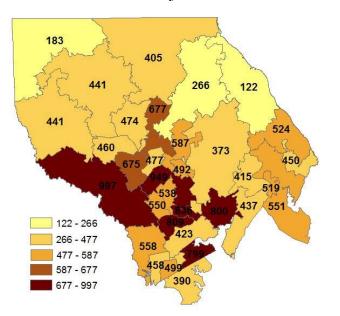
HOUSING and ENROLLMENT

The purpose of the following maps is to help analyze the number of households and the number of students from each attendance area for elementary, middle, and high schools. The maps below show how the number of students relates to the number of households.

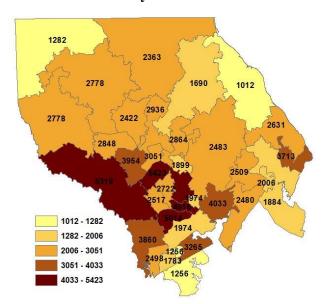
Elementary Schools - Enrollments & Households

Most of the elementary school attendance areas with larger enrollments relative to the total households fall within the designated growth areas of the county though there are several attendance areas with somewhat lower attendance levels in the Chesapeake Science and Security Corridor (CSSC).





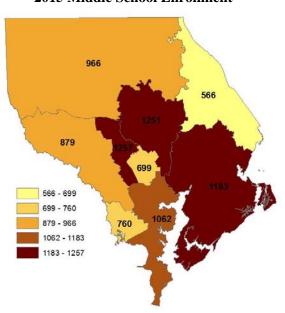
2015 Elementary Households



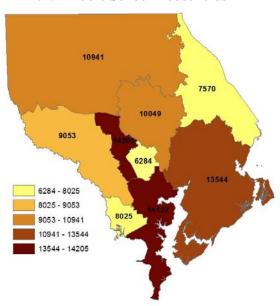
Middle / High Schools – Enrollments & Households

Most of the middle and high school attendance areas with larger enrollments and households also fall within the designated growth areas of the county though the secondary school figures do not appear reflect the same degree of lower enrollments levels relative to the number of households in the Chesapeake Science and Security Corridor (CSSC) as the elementary schools.

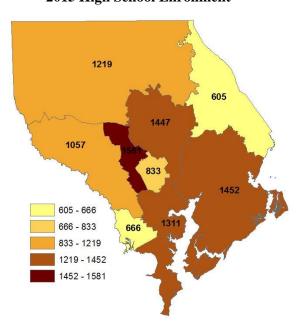
2015 Middle School Enrollment



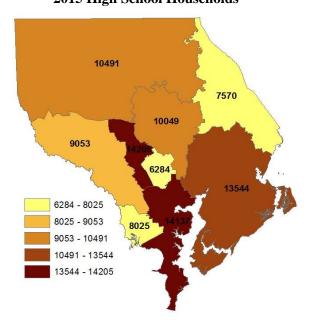
2015 Middle School Households



2015 High School Enrollment



2015 High School Households



FINDINGS

The data described in the previous section were tabulated by unit type, and the specific pupil yields were calculated for each subdivision in the elementary, middle, and high schools (See Appendices 2, 3, and 4). The low, high, and composite pupil yields by dwelling type are listed below in Table 1.

Table 1 - Pupil Yield Factors By Dwelling Type

				Elementary	School [Owelling Yie	lds			
Yield		SF		TH		APT		CONDO	ı	МН
Range	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)	Yield	Subdi-vision(s)	Yield	Subdi- vision(s)
Low	0.0500	Glenn Heights	0.0000	Barrington, Glen Gate, Spenceola Farms - AT, Waters Edge	0.0000	Constant Friendship- Friendship Village	0.0000	Country Walk, Monmouth Meadows, Spenceola Farms - AT, Water's Edge - AT	0.0820	Harford Mobile Village
High	0.5820	Spenceola Farms	0.5470	Battery Village	0.1544	Reserve at Riverside	0.0570	Constant 0.0570 Friendship-The Greens		Mountain Bush Estates
Composite	0.2320		0.2489		0.1138		0.0207		0.1655	
				Middle S	chool Dw	elling Yield	S			
Yield		SF		TH		APT		CONDO	ı	МН
Range	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)			Yield	Subdi- vision(s)	Yield	Subdi- vision(s)
Low	0.0250	Glenn Heights	0.0000	Glen Gate, Waters Edge, Spenceola Farms AT	0.0000	Constant Friendship- Friendship Village	0.0000	Constant Friendship Crosse Pointe, Water's Edge, Village Green, Monmouth Meadows	0.0522	Magnolia Estates
High	0.3080	Spenceola Farms	0.2564	Battery Village	0.0669	Greenbrier Hills Sections1- 3, 5-6,8,10	0.0333	Country Walk	0.0768	Harford Mobile Village
Composite	0.1350		0.1217		0.0472		0.0073		0.0723	
				High Sc	hool Dwe	lling Yields				
Yield		SF		TH		APT		CONDO	ı	МН
Range	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)	Yield	Subdi- vision(s)
Low	0.0500	Glenn Heights	0.0000	Glen Gate, Waters Edge AT, Spenceola Farms AT	0.0000	Constant Friendship- Friendship Village, Harborside III	0.0000	Lohr's Orchard, Water's Edge AT	0.0696	Magnolia Estates
High	0.5074	Brierhill Estates	0.2336	Amyclae Estates	0.0751	Greenbrier Hills Sections1- 3, 5-6,8,10	0.0722	Irwin's Choice - AT	0.0830	Harford Mobile Village
Composite	0.1884		0.1397		0.0592		0.0254		0.0793	

Table 2 below details the changes in composite yields between the 2009 and 2015 pupil yield studies.

TABLE 2 – COMPARISON OF	2009 TO	2015 PU	PIL YIELD FACTO	RS
Elementary School Composite Yields	2009	2015	Difference Between 2009 and 2015	Change
Single Family	0.2833	0.2315	-18.3%	1
Townhouse	0.2517	0.2489	-1.1%	1
Apartment/Condo	0.0447	0.0709	58.6%	1
Apartment	na	0.1138	na	na
Condo	na	0.0207	na	na
Mobile Home	0.1558	0.1655	6.2%	1
Middle School Composite Yields	2009	2015	Difference Between 2009 and 2015	Change
Single Family	0.1547	0.135	-12.7%	↓
Townhouse	0.1154	0.1217	5.5%	1
Apartment/Condo	0.0125	0.0289	131.2%	1
Apartment	na	0.0472	na	na
Condo	na	0.0073	na	na
Mobile Home	0.0682	0.0723	6.0%	1
High School Composite Yields	2009	2015	Difference Between 2009 and 2015	Change
Single Family	0.1893	0.1884	-0.5%	↓
Townhouse	0.1402	0.1397	-0.4%	1
Apartment/Condo	0.0238	0.0436	83.2%	1
Apartment	na	0.0592	na	na
Condo	na	0.0254	na	na
Mobile Home	0.064	0.0793	23.9%	1

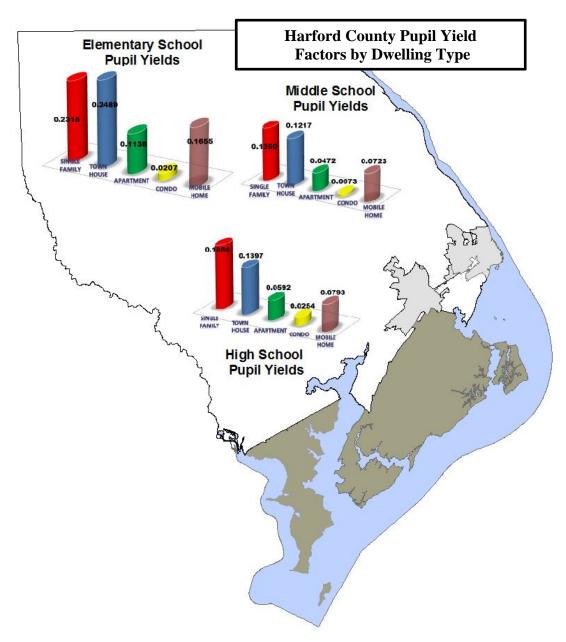
na: not available

Source: Harford County Dept. of Planning and Zoning and Harford County Public Schools

CONCLUSION

The most significant changes illustrated over the past six years are significant increases in the apartment/condominium yields at all grade levels – ranging from +58.6% at the elementary level to +131.2% at the middle school level. The yields for single family units decreased substantially at the elementary and middle school grade levels with declines of -18.28% and -12.73% respectively. Mobile Home yields increased substantially at the high school level (+23.9%) while only slightly at the elementary (6.2%) and middle school (6.0%) levels.

Harford County's housing stock is made up of predominantly single-family detached housing (60%). The decline in single-family pupil yields will have a more significant impact on school enrollments than other unit types. In contrast, apartment/condo units comprise about 15% of the total housing stock. Pupil yields for multi-family units have increased dramatically over the past six years, it is still not sufficient to offset the declines in the single-family yields. If the pupil yield rates continue to decrease and net in-migration remains negative or low, it is likely that Harford County will continue to experience enrollment declines as seen in recent years. Pupil Yield Factors for elementary, middle, and high schools are illustrated on the charts below.



					App	endix 1				
		2015 F	PUPIL YIE	LD SURVE			ET FOR DWELLING UNITS			
SUBDIVISION	SF	TH	APT	CON	MH	TOTAL	ELEMENTARY SCHOOL	MIDDLE SCHOOL	HIGH SCHOOL	
ABINGDON ESTATES	22	0		0	0	22	WM PACA/OLD POST RD	EDGEWOOD	EDGEWOOD	
AMYCLAE ESTATES	231	107		0	0	338	PROSPECT MILL	SOUTHAMPTON	C.M. WRIGHT	
ASHBY PLACE II BARRINGTON - AT	0	123 151		0	0	123 151	EDGEWOOD RING FACTORY	MAGNOLIA PATTERSON MILL	JOPPATOWNE PATTERSON MILL	
BATTERY VILLAGE	0	117		0	0	117	HAVRE DE GRACE	HAVRE DE GRACE	HAVRE DE GRACE	
BELLE MANOR	0	175		0	0	175	FOREST HILL	NORTH HARFORD	NORTH HARFORD	
BOX HILL NORTH	648	210		0	0	858	W.S. JAMES	PATTERSON MILL	PATTERSON MILL	
BRENTWOOD SQUARE	0	89		0	0	89	BAKERFIELD	ABERDEEN	ABERDEEN	
BRIERHILL ESTATES BROADVIEW	136 247	0		0	0	136 247	FOUNTAIN GREEN EMMORTON	SOUTHAMPTON PATTERSON MILL	C.M. WRIGHT PATTERSON MILL	
CALVERTS WALK	0	0	276	0	0	276	EMMORTON	BEL AIR	BEL AIR	
CENTENNIAL OAKS	69	0	210	0	0	69	JARRETTSVILLE	NORTH HARFORD	NORTH HARFORD	
COKESBURY MANOR	308	0		0	0	308	WM PACA/OLD POST RD	EDGEWOOD	EDGEWOOD	
CONSTANT FRIENDSHIP - CONSTANT BRANCH	0	76		0	0	76	ABINGDON	EDGEWOOD	EDGEWOOD	
CONSTANT FRIENDSHIP - CONSTANT RIDGE	0	32		0	0	32	ABINGDON	EDGEWOOD	EDGEWOOD	
CONSTANT FRIENDSHIP - CONSTANT WOODS	0	91		0	0	91	ABINGDON	EDGEWOOD	EDGEWOOD	
CONSTANT FRIENDSHIP - CRISFIELD CROSSING CONSTANT FRIENDSHIP - FRIENDSHIP VILLAGE	0	157 0	31	0	0	157 31	ABINGDON ABINGDON	EDGEWOOD EDGEWOOD	EDGEWOOD EDGEWOOD	
CONSTANT FRIENDSHIP - FRIENDSHIP VILLAGE CONSTANT FRIENDSHIP - THE GREENS	0	0	136	0	0	136	ABINGDON	EDGEWOOD	EDGEWOOD	
CONSTANT FRIENDSHIP - CROSSE POINTE CONDOS	0	0	0	228	0	228	ABINGDON	EDGEWOOD	EDGEWOOD	
CONSTANT FRIENDSHIP - OAKS OF HARFORD	223	0		0	0	223	ABINGDON	EDGEWOOD	EDGEWOOD	
COUNTRY WALK	227	259		60	0	546	EMMORTON	BEL AIR	BEL AIR	
EAGLES LANDING/EAGLES POINT	0	225		0	0	225	CHURCH CREEK	ABERDEEN	ABERDEEN	
EDGEWOOD MEADOWS SECTION 1 EDGEWOOD MEADOWS SECTIONS 2-4 AND	375 517	63		0	0	375 580	EDGEWOOD DEERFIELD	EDGEWOOD EDGEWOOD	EDGEWOOD EDGEWOOD	
EDWARDS MANOR AND ADDITION	70	03		0	0	70	FOREST HILL	NORTH HARFORD	NORTH HARFORD	
FOREST LAKES	713	120		0	0	833	FOREST LAKES	BEL AIR	BEL AIR	
FOXBOROUGH FARMS	80	290		0	0	370	FOUNTAIN GREEN	SOUTHAMPTON	C.M. WRIGHT	
GLEN GATE - AT	0	23		0	0	23	RING FACTORY	PATTERSON MILL	PATTERSON MILL	
GLENN HEIGHTS	80	0		0	0	80	ROYE-WILLIAMS	ABERDEEN	ABERDEEN	
GLENVILLE MANOR GRACE HARBOUR	50	0		0	0	50	CHURCHVILLE	HAVRE DE GRACE	HAVRE DE GRACE	
GREENBRIER HILLS SECTION 4	296 48	125 70		0	0	421 118	MEADOWVALE HOMESTEAD/WAKEFIELD	HAVRE DE GRACE BEL AIR	HAVRE DE GRACE BEL AIR	
GREENBRIER HILLS SECTION 7 - AT	0	0	0	450	0	450	PROSPECT MILL	SOUTHAMPTON	C.M. WRIGHT	
GREENBRIER HILLS SECTION 9	37	0		0	0	37	FOUNTAIN GREEN	SOUTHAMPTON	C.M. WRIGHT	
GREENBRIER HILLS SECTIONS 1-3, 5-6, 8, 10	165	369	732	0	0	1,266	PROSPECT MILL	SOUTHAMPTON	C.M. WRIGHT	
HARBORSIDE III	0	0	84	0	0	84	JOPPATOWNE	MAGNOLIA	JOPPATOWNE	
HARFORD MOBILE VILLAGE	0	0		0	482	482	WM PACA/OLD POST RD	EDGEWOOD	EDGEWOOD	
HARFORD SQUARE HARFORD VILLAGE SOUTH	0	593 0	99	0	0	593 99	MAGNOLIA BEL AIR	MAGNOLIA BEL AIR	JOPPATOWNE BEL AIR	
HICKORY OVERLOOK	129	127	99	0	0	256	HICKORY	SOUTHAMPTON	C.M. WRIGHT	
HUNTERS RUN	386	146		0	0	532	RING FACTORY	PATTERSON MILL	PATTERSON MILL	
IRWINS CHOICE	95	203		0	0	298	HICKORY	BEL AIR	BEL AIR	
IRWINS CHOICE - AT	0	60		180	0	240	BEL AIR	BEL AIR	BEL AIR	
LOHRS ORCHARD	75	222	0		0	333	JOPPATOWNE	MAGNOLIA	JOPPATOWNE	
MAGNOLIA ESTATES MAJORS CHOICE	0 251	0 206		0	115 0	115 457	MAGNOLIA BEL AIR	MAGNOLIA SOUTHAMPTON	JOPPATOWNE C.M. WRIGHT	
MONMOUTH MEADOWS	193	684		64	0	941	EMMORTON	BEL AIR	BEL AIR	
MOUNTAIN BUSH ESTATES	0	0		0	122	122	WM PACA/OLD POST RD	EDGEWOOD	EDGEWOOD	
RESERVE AT RIVERSIDE	0	0	400	0	0	400	CHURCH CREEK	ABERDEEN	ABERDEEN	
SAINT ANNE	49	0		0	0	49	NORTH HARFORD	NORTH HARFORD	NORTH HARFORD	
SPENCEOLA FARMS	141	370		0	0	511	FOREST HILL	BEL AIR	BEL AIR	
SPENCEOLA FARMS - AT SPRING MEADOWS	0 57	46 0	0	276 0	0	322 57	FOREST HILL NORTH BEND	BEL AIR NORTH HARFORD	BEL AIR NORTH HARFORD	
STONE RIDGE	216	0		0	0	216	FOUNTAIN GREEN	SOUTHAMPTON	C.M. WRIGHT	
TODD LAKES	76	0		0	0	76	HOMESTEAD/WAKEFIELD	PATTERSON MILL	PATTERSON MILL	
TOLLGATE ESTATES	47	0		0	0	47	HOMESTEAD/WAKEFIELD	BEL AIR	BEL AIR	
TRAILS AT GLENEAGLES	116	0		0	0	116	BEL AIR	BEL AIR	BEL AIR	
VILLAGE GREEN - PHASES 1-4	91	0		0	0	91	HICKORY	BEL AIR	BEL AIR	
VILLAGE GREEN CONDOS - AT	0	0	0		0	96	HICKORY	BEL AIR	BEL AIR	
WATERS EDGE - AT WEST RIDING	0 179	24 0	0	108	0	132 179	CHURCH CREEK RING FACTORY	ABERDEEN PATTERSON MILL	ABERDEEN PATTERSON MILL	
WEST VALLEY OAKS	94	0		0	0	94	EMMORTON	BEL AIR	BEL AIR	
WINSTONE	18	0		0	0	18	DARLINGTON	HAVRE DE GRACE	HAVRE DE GRACE	
WOODCREST	194	0		0	0	194	YOUTHS BENEFIT	FALLSTON	FALLSTON	
WOODLAND RUN	174	0		0	0	174	ABINGDON	EDGEWOOD	EDGEWOOD	
TOTAL	7,123	5,553	1,758	1,498	719	16,651				

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			2015 PU	PIL YIEL	D SURVE		1010		FOR ELE	MENTAF	Y SCHOO	DLS					
SUBDIVISION		PUPILS		TH	PUPILS		APT	PUPILS	_	CONDO	PUPILS		MH	PUPILS YIE	ELD	TOTAL	ELEMENTARY SCHOOL
ABINGDON ESTATES AMYCLAE ESTATES	22 231	45	0.2273	107	20	0.1869	0	0	na na	0	0	na na	0	0	na na	22 338	WM PACA/OLD POST RD PROSPECT MILL
ASHBY PLACE II	0	- 40	0.1340 na	123	39	0.1003	0	0		0			0	0	na	123	EDGEWOOD
BARRINGTON - AT	0	0		151	0	0.0000	0	0		0	0		0	0	na	151	RING FACTORY
BATTERY VILLAGE	0	0		117	64	0.5470	0	0		0			0	0	na	117	HAVRE DE GRACE
BELLE MANOR	0	0	na	175	31	0.1771	0	0	na	0	0	na	0	0	na	175	FOREST HILL
BOX HILL NORTH	648	118	0.1821	210			0	0		0			0		na	858	W.S. JAMES
BRENTWOOD SQUARE	0	0	na	89	28	0.3146	0	0		0			0	0	na	89	BAKERFIELD
BRIERHILL ESTATES	136	28		0		na	0	0		0			0	0	na	136	FOUNTAIN GREEN
BROADVIEW CALVERTS WALK	247 0	49		0		na na	0 276	0 22		0			0	0	na na	247 276	EMMORTON EMMORTON
CENTENNIAL OAKS	69	30		0		na	0	0		0			0	0	na	69	JARRETTSVILLE
COKESBURY MANOR	308	73		0		na	0			0			0		na	308	WM PACA/OLD POST RD
CONSTANT FRIENDSHIP - CONSTANT BRANCH	0	0	na	76		0.0789	0	0		0			0	0	na	76	ABINGDON
CONSTANT FRIENDSHIP - CONSTANT RIDGE	0	C	na	32	. 7	0.2188	0	0	na	0	0	na	0	0	na	32	ABINGDON
CONSTANT FRIENDSHIP - CONSTANT WOODS	0	0	na	91	6	0.0659	0	0	na	0	0	na	0	0	na	91	ABINGDON
CONSTANT FRIENDSHIP - CRISFIELD CROSSING	0	0		157	35	0.2229	0			0			0		na	157	ABINGDON
CONSTANT FRIENDSHIP - CROSSE POINTE CONDOS	0	0		0	0	na	0			228			0		na	228	ABINGDON
CONSTANT FRIENDSHIP - FRIENDSHIP VILLAGE	0	27		0			31			0			0		na	223	ABINGDON ABINGDON
CONSTANT FRIENDSHIP - OAKS OF HARFORD CONSTANT FRIENDSHIP - THE GREENS	223	37		0		na na	136			0			0		na na	136	ABINGDON
COUNTRY WALK	227	57		259			0	0		60			0		na	546	EMMORTON
EAGLES LANDING/EAGLES POINT	0	0	na	225	58	0.2124	0			00			0		na	225	CHURCH CREEK
EDGEWOOD MEADOWS SECTION 1	375	41		0	0	na	0	0		0			0	0	na	375	EDGEWOOD
EDGEWOOD MEADOWS SECTIONS 2-4 AND ADDITION	517	122	0.2360	63	24	0.3810	0	0		0	0		0	0	na	580	DEERFIELD
EDWARDS MANOR AND ADDITION	70	17	0.2429	0		na	0	0	na	0	0	na	0	0	na	70	FOREST HILL
FOREST LAKES	713	182	0.2553	120		0.1000	0	0		0			0	0	na	833	FOREST LAKES
FOXBOROUGH FARMS	80	9	0.1125	290	91	0.3138	0	0		0			0	0	na	370	FOUNTAIN GREEN
GLEN GATE - AT	0	0	na	23		0.0000	0	0		0			0	0	na	23	RING FACTORY
GLENVILLE MANOR	80 50	4	0.0500	0		na na	0	0		0			0	0	na na	80 50	ROYE-WILLIAMS CHURCHVILLE
GRACE HARBOUR	296	63		125	Ū		0	0		0			0	0	na	421	MEADOWVALE
GREENBRIER HILLS SECTION 4	48	- 6	0.1250	70		0.1429	0	0		0			0	0	na	118	HOMESTEAD/WAKEFIELD
GREENBRIER HILLS SECTION 7 - AT	0	0		0		na	0	0		450			0	0	na	450	PROSPECT MILL
GREENBRIER HILLS SECTION 9	37	12	0.3243	0	0	na	0	0	na	0	0	na	0	0	na	37	FOUNTAIN GREEN
GREENBRIER HILLS SECTIONS 1-3, 5-6, 8, 10	165	66	0.4000	369	107	0.2900	732	105		0	0		0		na	1,266	PROSPECT MILL
HARBORSIDE III	0	0	na	0	0	na	84	1	0.0119	0			0	0	na	84	JOPPATOWNE
HARFORD MOBILE VILLAGE	0	0		0		na	0			0			482		618	482	WM PACA/OLD POST RD
HARFORD SQUARE HARFORD VILLAGE SOUTH	0	0		593	198		99			0			0	0	na	593 99	MAGNOLIA BEL AIR
HICKORY OVERLOOK	129	56		0 127		na 0.2283	0	7		0			0	0	na na	256	HICKORY
HUNTERS RUN	386	94		146		0.2877	0			0			0		na	532	RING FACTORY
IRWINS CHOICE	95	23		203	65	0.3202	0	0		0			0		na	298	HICKORY
IRWINS CHOICE - AT	0	0		60		0.0167	0	0		180	3	0.0167	0	0	na	240	BEL AIR
LOHRS ORCHARD	75	10	0.1333	222	64	0.2883	0	0	na	36	1	0.0278	0		na	333	JOPPATOWNE
MAGNOLIA ESTATES	0	0		0	Ū	na	0			0			115			115	MAGNOLIA
MAJORS CHOICE	251	47		206	49		0	0		0			0	0	na	457	BEL AIR
MONMOUTH MEADOWS MOUNTAIN BUSH ESTATES	193	83		684	200	0.2924	0			64			122		na	941	EMMORTON WAS BACK OF DECEMBER
RESERVE AT RIVERSIDE	0	0	na na	0	0	na na	400	0 44		0			122	10 0.0	na	122 400	WM PACA/OLD POST RD CHURCH CREEK
SAINT ANNE	49	3	0.0612	0	0	na	- 1 00	0		0			0	0	na	400	NORTH HARFORD
SPENCEOLA FARMS	141	63		370	Ū	0.1784	0	0		0			0	0	na	511	FOREST HILL
SPENCEOLA FARMS - AT	0		na	46		0.0000	0	0		276	0		0		na	322	FOREST HILL
SPRING MEADOWS	57	16		0	0	na	0	0	na	0	0	na	0	0	na	57	NORTH BEND
STONE RIDGE	216	68				na		0		0			0		na	216	FOUNTAIN GREEN
TODD LAKES	76	9	0.1184	0		na	0	0		0			0	0	na	76	HOMESTEAD/WAKEFIELD
TOLLGATE ESTATES	47	5	0.1064	0		na	0	0		0			0		na	47	HOMESTEAD/WAKEFIELD
TRAILS AT GLENEAGLES VILLAGE GREEN - PHASES 1-4	116	15		0		na	0	0		0			0	0	na	116	BEL AIR HICKORY
VILLAGE GREEN - PHASES 1-4 VILLAGE GREEN CONDOS - AT	91	53 0	1	0		na na	0	0		96			0	0	na na	91 96	HICKORY
WATERS EDGE - AT	0	0		24			0	0		108			0		na	132	CHURCH CREEK
WEST RIDING	179	37		0		na	0	0		0			0	0	na	179	RING FACTORY
WEST VALLEY OAKS	94	35		0		na	0			0			0		na	94	EMMORTON
WINSTONE	18	2		0		na	0	0		0			0	0	na	18	DARLINGTON
WOODCREST	194	39		0	0	na	0			0	0	na	0		na	194	YOUTHS BENEFIT
WOODLAND RUN	174	23		0		na				0			0		na	174	ABINGDON
TOTAL	7,123	1,649	0.2315	5,553	1,382	0.2489	1,758	200	0.1138	1,498	31	0.0207	719	119 0.1	655	16,651	

Appendix 3																	
	2015 PUPIL YIELD SURVEY - TABULATION SHEET FOR MIDDLE SCHOOLS																
SUBDIVISION	SF	PUPILS			PUPILS					CONDO			МН	PUPILS	YIELD	TOTAL	MIDDLE SCHOOL
ABINGDON ESTATES	22	1	0.0455	0	0	na		0	na	0	0	na	0	0	na	22	EDGEWOOD
AMYCLAE ESTATES	231	31		107	17		0		Hu	0	0	Πü	0	0	na	338	SOUTHAMPTON
ASHBY PLACE II	0	0	na	123	20	0.1626	0	·		0	0		0	0		123	MAGNOLIA
BARRINGTON - AT	0			151	2	0.0132	0		Πū	0	0	Πü	0	0	na	151	PATTERSON MILL
BATTERY VILLAGE	0	0		117	30	0.2564	0		na	0	0	na	0	0		117	HAVRE DE GRACE
BELLE MANOR BOX HILL NORTH	648	69	na 0.1065	175 210	19 32	0.1086 0.1524	0	0	na na	0	0	na na	0	0	na na	175 858	NORTH HARFORD PATTERSON MILL
BRENTWOOD SQUARE	040	09		89	18	0.1324	0		na	0	0	na	0	0	na	89	ABERDEEN
BRIERHILL ESTATES	136	·	···α	03	0	na	·		na	0	0		0	0	na	136	SOUTHAMPTON
BROADVIEW	247	24		0	0	na		·	na	0	0		0	0	na	247	PATTERSON MILL
CALVERTS WALK	0	0		0	0			10		0	0		0	0		276	BEL AIR
CENTENNIAL OAKS	69		0.1739	0	0	na	0	0	na	0	0	na	0	0	na	69	NORTH HARFORD
COKESBURY MANOR	308	33	0.1071	0		na	0	0	na	0	0	na	0	0	na	308	EDGEWOOD
CONSTANT FRIENDSHIP - CONSTANT BRANCH	0	·	na	76	8	0.1053	0	·		0	0		0	Ü	α	76	EDGEWOOD
CONSTANT FRIENDSHIP - CONSTANT RIDGE	0	·	iια	32	4	0.1250	0		110	0	0		0	ŭ		32	EDGEWOOD
CONSTANT FRIENDSHIP - CONSTANT WOODS	0			91	4	0.0440	0			0	0		0	Ü		91	EDGEWOOD
CONSTANT FRIENDSHIP - CRISFIELD CROSSING CONSTANT FRIENDSHIP - CROSSE POINTE CONDOS	0			157 0	9	0.0573	0		110	0 228		na 0.0000	0			157 228	EDGEWOOD EDGEWOOD
CONSTANT FRIENDSHIP - CROSSE POINTE CONDOS	0	-		0		na na	31	_	0.0000	228	0		0	0		31	EDGEWOOD
CONSTANT FRIENDSHIP - FRIENDSHIP VILLAGE CONSTANT FRIENDSHIP - OAKS OF HARFORD	223	10		0		na na	0		0.0000 na	0	0	na na	0	0		223	EDGEWOOD
CONSTANT FRIENDSHIP - THE GREENS	0			0		na	136		0.0441	0	0	na	0	0		136	EDGEWOOD
COUNTRY WALK	227	31		259	22	0.0849	0	0	na	60	2	0.0333	0	0	-	546	BEL AIR
EAGLES LANDING/EAGLES POINT	0	0		225	23	0.1022	0	0	na	0	0	na	0	0	na	225	ABERDEEN
EDGEWOOD MEADOWS SECTION 1	375	36		0	0	na	0	0	na	0	0	na	0	0	na	375	EDGEWOOD
EDGEWOOD MEADOWS SECTIONS 2-4 AND ADDITION	517	40	0.0774	63	5	0.0794	0	0	na	0	0	na	0	0	na	580	EDGEWOOD
EDWARDS MANOR AND ADDITION	70			0		na	0		na	0	0		0	Ü		70	NORTH HARFORD
FOREST LAKES	713			120	14	0.1167	0		na	0	0		0			833	BEL AIR
FOXBOROUGH FARMS	80		0.0500	290	40		0		Πü	0	0		0	·		370	SOUTHAMPTON
GLEN GATE - AT GLENN HEIGHTS	80		na 0.0250	23 0	0	0.0000 na	0		110	0	0		0	ŭ		23 80	PATTERSON MILL ABERDEEN
GLENVILLE MANOR	50		0.0230	0	0	na	0		110	0	0		0	ŭ		50	HAVRE DE GRACE
GRACE HARBOUR	296		0.1318	125	8	0.0640	0		Hu	0	0		0	V	-	421	HAVRE DE GRACE
GREENBRIER HILLS SECTION 4	48		0.0833	70	10	0.1429	Ö	_		0	0		0	0		118	BEL AIR
GREENBRIER HILLS SECTION 7 - AT	0		na	0	0	na	0	0	na	450	3	0.0067	0	0		450	SOUTHAMPTON
GREENBRIER HILLS SECTION 9	37	6	0.1622	0	0	na	0	0	na	0	0	na	0	0	na	37	SOUTHAMPTON
GREENBRIER HILLS SECTIONS 1-3, 5-6, 8, 10	165	33		369	43	0.1165	732			0	0	na	0	0	-	1,266	SOUTHAMPTON
HARBORSIDE III	0	0	na	0	0	na	84	1	0.0119	0	0		0	0	na	84	MAGNOLIA
HARFORD MOBILE VILLAGE	0	0		0	0	na	0	0	na	0	0	na	482	37		482	EDGEWOOD
HARFORD SQUARE HARFORD VILLAGE SOUTH	0	0		593 0	104		99		na	0	0		0	0	na	593 99	MAGNOLIA
HICKORY OVERLOOK	129	Ū	iια	127	16	na 0.1260	99		0.0.0.	0	v		0	Ü	α	256	BEL AIR SOUTHAMPTON
HUNTERS RUN	386			146	23	0.1200	0		na	0	0		0	-		532	PATTERSON MILL
IRWINS CHOICE	95		0.2421	203	27	0.1330	Ö			0	0		0			298	BEL AIR
IRWINS CHOICE - AT	0		na	60	1	0.0167	0			180	3	0.0167	0		-	240	BEL AIR
LOHRS ORCHARD	75	7	0.0933	222	24	0.1081	0	0		36	1	0.0278	0	0	na	333	MAGNOLIA
MAGNOLIA ESTATES	0	0	na	0	0	na	0		na	0	0	na	115	6	0.0522	115	MAGNOLIA
MAJORS CHOICE	251			206	29					0	0		0	Ü	į	457	SOUTHAMPTON
MONMOUTH MEADOWS	193	47		684	79		0		na	64	0	0.0000	0	v		941	BEL AIR
MOUNTAIN BUSH ESTATES	0	0	na	0	0	na	0	· ·	na	0	0	na	122	9		122	EDGEWOOD
RESERVE AT RIVERSIDE	0	4	na	0	0	na		13		0	0	na	0	0	na	400	ABERDEEN
SAINT ANNE SPENCEOLA FARMS	49 141	31	0.00.0	370	45	na 0.1216	0		na na	0	0	na na	0	0		49 511	NORTH HARFORD BEL AIR
SPENCEOLA FARMS - AT	141	31	0.2199 na	46	45	0.0000	0		na na	276)	0.0072	0	0	na na	322	BEL AIR
SPRING MEADOWS	57	9		0	0	na	_			0	0		0	-		57	NORTH HARFORD
STONE RIDGE	216			0	0	na	Ŭ		Πū	0	0		0			216	SOUTHAMPTON
TODD LAKES	76			0			_			0			0			76	PATTERSON MILL
TOLLGATE ESTATES	47	2	0.0426	0	0	na	0			0	0		0			47	BEL AIR
TRAILS AT GLENEAGLES	116		0.1724	0		na				0	0		0			116	BEL AIR
VILLAGE GREEN - PHASES 1-4	91			0		na	0		Πü	0			0	U		91	BEL AIR
VILLAGE GREEN CONDOS - AT	0	0	na	0		na	0		Πü	96		0.0000	0	0		96	BEL AIR
WATERS EDGE - AT	0	. 0	na	24		0.0000	0		na	108	0	0.0000	0	0		132	ABERDEEN
WEST RIDING	179 94			0		na	0	0	Πü	0	0	na	0	v		179	PATTERSON MILL
WEST VALLEY OAKS WINSTONE	94 18	23	0.2447 0.1667	0		na	0	0 0	na	0	0	na	0	0	na	94	BEL AIR
WOODCREST	194	26		0	0	na na		0 0	na na	0	0	na na	0	0	na na	18 194	HAVRE DE GRACE FALLSTON
				Ū	0			·		0	0		- 0	Ü			
WOODLAND RUN	174	11		0	0	na	0) 0	na	0	0	na	0	0	na	174	EDGEWOOD

							A	on eller									
				2015 PI	IDII VIFI	D SURVE		endix 4		FOR HIG	SH SCHOO	N S					
OLIDDIN/IOLON	0.5	DI IDII O	\//ELD											BUBU 6	\/IEI B	TOTAL	LUCLI COLICOI
SUBDIVISION ABINGDON ESTATES	SF 22	PUPILS	9.0455	TH	PUPILS 0	YIELD na	APT 0	PUPILS	YIELD	CONDO	PUPILS	YIELD	MH	PUPILS	YIELD na	TOTAL 22	HIGH SCHOOL EDGEWOOD
AMYCLAE ESTATES	231	47	0.2035	107	25		0	0		0	0 0		0	0	na	338	C.M. WRIGHT
ASHBY PLACE II	0	0	na	123	22	0.1789	0	0	na	0	0	na	0	0	na	123	JOPPATOWNE
BARRINGTON - AT	0			151	2		0	-		0			0			151	PATTERSON MILL
BATTERY VILLAGE BELLE MANOR	0	-		117 175	21 26		0			0			0	0		117 175	HAVRE DE GRACE NORTH HARFORD
BOX HILL NORTH	648		0.1651	210	27		0			0			0			858	PATTERSON MILL
BRENTWOOD SQUARE	0.0			89	17		0	-		0			0	0		89	ABERDEEN
BRIERHILL ESTATES	136		0.5074	0	0		0		1100	0	·		0	0	na	136	C.M. WRIGHT
BROADVIEW	247		0.1215	0	0		0	0		0	·		0	0	na	247	PATTERSON MILL
CALVERTS WALK CENTENNIAL OAKS	69		na 0.1884	0	0		276	20	0.0725	0	-	Πü	0	0	na	276 69	BEL AIR NORTH HARFORD
COKESBURY MANOR	308		0.1864	0			0	0	nu	0	,		0	0	na na	308	EDGEWOOD
CONSTANT FRIENDSHIP - CONSTANT BRANCH	0		na	76	9		0	0		0	0		0	0	na	76	EDGEWOOD
CONSTANT FRIENDSHIP - CONSTANT RIDGE	0	0	na	32	2		0	0	na	0	0	na	0	0	na	32	EDGEWOOD
CONSTANT FRIENDSHIP - CONSTANT WOODS	0			91	6		0	0		0	-	na	0	0	na	91	EDGEWOOD
CONSTANT FRIENDSHIP - CRISFIELD CROSSING CONSTANT FRIENDSHIP - CROSSE POINTE	0			157 0	11		0	0	na na	228			0	0	na	157 228	EDGEWOOD EDGEWOOD
CONSTANT FRIENDSHIP - CROSSE POINTE CONSTANT FRIENDSHIP - FRIENDSHIP VILLAGE	0			0	0	na na	31	0	0.0000	228			0	0	na na	31	EDGEWOOD
CONSTANT FRIENDSHIP - OAKS OF HARFORD	223		0.0852	0			0			0	, ,	Πū	0	0	na	223	EDGEWOOD
CONSTANT FRIENDSHIP - THE GREENS	0			0	0		136	7	0.0515	0	0		0	0	na	136	EDGEWOOD
COUNTRY WALK	227		0.1674	259	49		0	0		60			0	0	na	546	BEL AIR
EAGLES LANDING/EAGLES POINT	0	0		225	23		0			0			0	0	na	225	ABERDEEN
EDGEWOOD MEADOWS SECTION 1 EDGEWOOD MEADOWS SECTIONS 2-4 AND	375 517		0.0880	63	10	na 0.1587	0		1100	0			0	0	na na	375 580	EDGEWOOD EDGEWOOD
EDWARDS MANOR AND ADDITION	70		0.1199	03	10	0.1567 na	0			0			0	0		70	NORTH HARFORD
FOREST LAKES	713			120	20		0			0	-		0	0	na	833	BEL AIR
FOXBOROUGH FARMS	80		0.0875	290	43		0	0		0	0		0	0	na	370	C.M. WRIGHT
GLEN GATE - AT	0			23	0		0		110	0		110	0		na	23	PATTERSON MILL
GLENN HEIGHTS	80		0.0500	0	0	na	0	0	Πū	0		Πū	0	0	na	80	ABERDEEN
GLENVILLE MANOR GRACE HARBOUR	50 296		0.1400	0 125	13		0	0	na na	0		na na	0	0	na na	50 421	HAVRE DE GRACE HAVRE DE GRACE
GREENBRIER HILLS SECTION 4	48		0.1042	70	14		0	0		0		na	0	0	na	118	BEL AIR
GREENBRIER HILLS SECTION 7 - AT	0			0	0		0	0		450			0		na	450	C.M. WRIGHT
GREENBRIER HILLS SECTION 9	37		0.2973	0	0		0	0		0	,	na	0	0	na	37	C.M. WRIGHT
GREENBRIER HILLS SECTIONS 1-3, 5-6, 8, 10	165		0.2667	369	37		732		0.0751	0	,	···α	0	0	na	1,266	C.M. WRIGHT
HARBORSIDE III HARFORD MOBILE VILLAGE	0			0	0	na	84 0	0	0.0000	0			492		na 0.0830	84 482	JOPPATOWNE
HARFORD SQUARE	0			593	115	na 0.1939	0	·		0			482	0	0.0630 na	593	EDGEWOOD JOPPATOWNE
HARFORD VILLAGE SOUTH	0			0	0	na	99		0.0202	0	·		0	0		99	BEL AIR
HICKORY OVERLOOK	129	46	0.3566	127	15		0	0		0	0		0	0		256	C.M. WRIGHT
HUNTERS RUN	386		0.2098	146	19		0			0	,		0	0	na	532	PATTERSON MILL
IRWINS CHOICE	95			203	37		0			0	,		0	0	na	298	BEL AIR
IRWINS CHOICE - AT LOHRS ORCHARD	75		na 0.2000	60 222	8 26		0			180 36			0	0	na na	240 333	BEL AIR JOPPATOWNE
MAGNOLIA ESTATES	7.5			0	0	na	0			0			115		0.0696	115	JOPPATOWNE
MAJORS CHOICE	251	43	0.1713	206	36		0	0		0	0	na	0	0	na	457	C.M. WRIGHT
MONMOUTH MEADOWS	193		0.3782	684	102		0	0	nu	64		0.0313	0	0	na	941	BEL AIR
MOUNTAIN BUSH ESTATES	0			0	0	na	0	0		0	·	na	122	9		122	EDGEWOOD
RESERVE AT RIVERSIDE SAINT ANNE	49			0	0	na na	400 0	20		0		na na	0	0	na na	400 49	ABERDEEN NORTH HARFORD
SPENCEOLA FARMS	141			370	41		0			0	-		0	0	na	511	BEL AIR
SPENCEOLA FARMS - AT	0		na	46	0		0			276		0.0254	0	0	na	322	BEL AIR
SPRING MEADOWS	57	7	0.1228	0	0	na	0	0		0	0		0	0	na	57	NORTH HARFORD
STONE RIDGE	216		0.2963	0	-		0			0			0			216	C.M. WRIGHT
TODD LAKES	76		0.0658	0			0			0			0	0		76	PATTERSON MILL
TOLLGATE ESTATES TRAILS AT GLENEAGLES	47 116		0.1702	0		na na	0			0			0	0	na na	47 116	BEL AIR BEL AIR
VILLAGE GREEN - PHASES 1-4	91		0.2418	0		na	0			0			0	0	na	91	BEL AIR
VILLAGE GREEN CONDOS - AT	0			0	0	na	0		1100	96	1	0.0104	0	0	na	96	BEL AIR
WATERS EDGE - AT	0			24		0.0000	0	•	na	108	0	0.0000	0	0	na	132	ABERDEEN
WEST RIDING	179		0.1117	0			0	·		0	,		0	0	na	179	PATTERSON MILL
WEST VALLEY OAKS	94		0.2872	0			0	0	nu	0		Πü	0			94	BEL AIR
WINSTONE WOODCREST	18 194		0.1111	0	0	na na	0	0	na na	0		na na	0	0	na na	18 194	HAVRE DE GRACE FALLSTON
WOODLAND RUN	174			0	-		0	0		0	·		0	0	na	174	EDGEWOOD
TOTAL	7,123			5,553	776		1,758	104		1,498			719		0.0793	16,651	